

# OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

OCTOBER 26, 1992  
VOLUME 7, NUMBER 8

## Coursey Wins NIMH Training Grant

Robert D. Coursey, associate professor of psychology, has been awarded a three-year, \$204,000 grant from the National Institutes of Mental Health for research and for training psychology students to work with serious mental illnesses.

Highlights of the program will include a nine-month practicum in which graduate students work with individuals with severe mental disorders in the public mental health system. The students also will take a seminar at College Park and will be engaged in advanced research and training on alternative types of psychotherapy and psycho-educational interventions for patients.

The students will participate in a research team on severe mental illness throughout their graduate studies.

Undergraduate work includes both placements and classes on multidimensional approaches to severe mental illnesses and on the mental health delivery system, Coursey says.

New courses will include one on psychopharmacology for the non-

physician, and a first-person account course by consumers which explores different models of understanding the experiences of people with severe mental disorders that will be offered in the spring.

Coursey says that special themes will mark each year of the grant. Year one will focus on coping and competence among persons with severe mental disorders and in their siblings. Year two will focus on psychopharmacology and dual diagnoses. The final year will examine ethnic and gender diversity in these disorders and will include a minority post-doctoral fellow to work on these issues.

Last year, the National Alliance for the Mentally Ill awarded the program

its Exemplary Training Program in Serious Mental Illness.

It was the first time such an award had been given to a psychology program. In a survey of all graduate psychology training programs that appeared in the March 1992 issue of *Innovations and Research*, the College Park program was ranked second in the nation for its training in serious mental illness.



Robert D. Coursey

## New Honors House is More than a Dorm

More than 125 visitors, including prospective students and their parents, added to the excitement of the university's official opening of the Anne Arundel Hall Honors Living/Learning Center on Monday, October 12.

With speeches by university dignitaries, including President William E. Kirwan, a ribbon-cutting ceremony and tours of the facility for prospective students and their parents who were here as part of the Visit Maryland recruitment program, Anne Arundel Hall officially began its dedicated purpose of providing academically talented students with a comprehensive honors residence.

"I only hope I can teach here someday," quipped Kirwan in remarks to the audience. "This is a wonderful facility and I plan to put in my appli-

cation to the honors program very soon."

Originally built in 1937, the Georgian-style residence hall was completely renovated from 1990 to 1992 at a cost of 4.2 million dollars.

In addition to serving as home for 100 honors residents, the facility also becomes the administrative home of the 1,300-student University Honors Program. New features of Anne Arundel Hall include administrative offices and a conference room, three seminar rooms, refurbished student and visiting lecturer residences, computer room, library, art gallery, study lounges on every floor and an electronic pass key security system.

Despite its amenities and prime location in the center of campus,

*continued on page 2*

## INSIDE

### Lab Open House Set

Advanced Visualization Laboratory to demonstrate new hardware and software facilities.....2

### ENES100

"Active learning" means cooperative learning.....4

### Handel Festival to Feature Hercules

Lecture, panel discussions and five concerts to be presented.....5

### Point of View

Del. Rosapepe on the budget.....7

## Regents to Hold First Public Forum on Tuition

The Finance Committee of the Board of Regents will hold the first of four public forums on tuition Thursday, October 29 from 7 to 9 p.m. at the Wicomico County Board of Education Building, 101 Long Avenue in Salisbury.

Open to the public, the forum will focus on the need for the 11-campus

UM System to have an explicit, broadly-supported tuition policy and on the nature of such a policy.

Other tuition forums will be held at sites in Western Maryland, the Baltimore area, and the Maryland suburbs of Washington, D.C. at dates, times and locations to be announced.

## Coronary, Health Risk Profiles Available

On November 12, the College Park Chapter of Club Maryland will offer cholesterol and blood pressure screening from 7:30 a.m. to 1 p.m. The results and their interpretation constitute the Coronary Risk Profile. Screenings, open to all university employees and family members over age 18, will be conducted in Room 0306, College of Health and Human Performance. To schedule an appointment, call Mary Giles at 405-2438. The fee is \$33.45. There is no charge for those covered by the Blue Cross/Blue Shield Preferred Provider Option. A Health Risk Assessment also will be available.



## Traveling Terrapins Take Off

On November 1, the Alumni Association introduces its new travel program, dubbed the "Traveling Terrapins," with a "Destinations Preview" from 2-4 p.m. in the Grand Ballroom Lounge of the Stamp Student Union.

Open to all alumni and College Park friends, the free event is an opportunity to preview the exciting 1993 destinations, learn the benefits of being a "Traveling Terrapin," enjoy refreshments, and win door prizes.

Trips to Egypt, Scandinavia, Alaska, and eight other stimulating locales are being offered in 1993. All will be discussed by travel agency experts during the "Destinations Preview."

According to Joan Patterson, associate executive director of the Alumni Association, the new travel program offers jet-setting College Park alumni their own strong, individual identity. This identity is conveyed through a logo resembling a set of aviator's wings showing the university's terrapin mascot carrying a suitcase. The logo was designed by Crosby Communications, an Annapolis-based

marketing communications company headed by Ralph Crosby, class of '56.

"College Park's travel program is an excellent way for alumni and friends to renew old friendships, make new friends, strengthen ties with their alma mater, and see the world," says Patterson. "It's a lifetime learning experience."

To make a reservation to attend the "Destinations Preview," to receive a detailed travel program brochure, or for more information, call Joan Patterson at 405-4676.

## Anne Arundel Officially Opens

*continued from page 1*

Anne Arundel is designed to be more than a dormitory for honors students, according to Jane Lawrence, director of the Honors Program.

"Anne Arundel provides spaces for honors classes as well as activities for honors and non-honors students," she says. "We want it to become an intellectual center for all undergraduate students, whether they live here or not."

According to Lawrence, more than half of the 50 honors seminars being offered this fall currently meet in

Anne Arundel Hall. Also, the non-resident ground floor lounge and reception area is open to all campus students throughout the day and during evening hours.

The Anne Arundel House Council and University Honors Program have also sponsored a variety of activities for all students this semester. Last week, a debate between candidates for student government association positions was held in Anne Arundel; this week, a forum on the upcoming presidential elections will be held in the facility; and next month, students will be invited to hear Gary Taubes, a

renowned science journalist, speak about the controversy over cold fusion.

There are also ongoing socials and faculty/student art exhibits throughout the year.

"Anne Arundel is a very visible symbol of the importance of undergraduate education at the university," says Kathryn Mohrman, dean for Undergraduate Studies. "It enhances our ability to provide an intellectually rigorous and challenging academic program for undergraduates."

—John Fritz

## Advanced Visualization Lab to Hold Open House

The Advanced Visualization Laboratory (AVL) and staff have moved into quarters in the newly-completed west wing of the A.V. Williams building.

To celebrate, the lab's staff, research collaborators, faculty and students will hold the 2nd annual AVL Open House, Wednesday, November 4, from 9 a.m. to 5 p.m. The open house will be held in rooms 3346, 3348 and 3352 and will demonstrate a wide array of hardware and software lab facilities.

Among the commercial visualization and graphics packages that will be on display are AVS (Advanced Visual Systems, Inc.), Data Explorer (IBM), Explorer (Silicon Graphics, Inc.), PV-Wave (Precision Visuals, Inc.), IDL (Research Systems, Inc.), Transform (Spyglass, Inc.), and Data Visualizer (WaveFront Technologies, Inc.).

Vendor donated or on-loan graphics workstations on display include: Digital Equipment's new Alpha, DECStation 5000/240, IBM RS6000/550 with 256MB main memory, Silicon Graphics IRIS Indigo with Elan graphics, Apple Macintosh IIfx, and Sun SPARC10.

Also on display will be the lab's NeXTcube and Sun workstations, color printers, color film recorders, color scanner, single frame VCR, video optical disk recorders, scan converter, active-matrix color LCD overhead projector screen and RGB video distribution system.

AVL staff will be available to discuss issues of scientific visualization and how members of the university community might take advantage of the lab's services for their own research, development, presentations and publications.

## OUTLOOK

*Outlook* is the weekly faculty-staff newspaper serving the College Park campus community.

**Kathryn Costello** Vice President for Institutional Advancement  
**Roland King** Director of Public Information  
**Judith Bair** Director of Creative Services

**Tom Otwell** Editor  
**John Fritz** Staff Writer  
**Lisa Gregory** Staff Writer  
**Fariss Samarra** Staff Writer  
**Gary Stephenson** Staff Writer  
**Beth Workman** Staff Writer  
**Cheri Roberts** Calendar Editor

**John T. Consoli** Format Designer  
**Kerstin A. Neteler** Layout & Production  
**Al Danegger** Photography  
**Tule Trong** Production Interns  
**Jennifer Grogan**  
**Susan Heller**

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is totwell@umdacc.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK



## Commuter Affairs Celebrates 20th Anniversary

The Office of Commuter Affairs and the National Clearinghouse for Commuter Programs will commemorate 20 years of service at an anniversary program Wednesday, November 4 from 3 to 5 p.m. in the Stamp Student Union Atrium. The featured speaker is John H. Schuh, associate vice president for student affairs and professor of counseling and school psychology at Wichita State University. A nationally recognized authority, Schuh will discuss "New Opportunities, New Challenges: Serving Students in the Next Century." His presentation will be followed by a round-table discussion and Q&A from the audience. For more information, call 314-5274.

# NEWS

## McKeldin, Hornbake Libraries to Close During Intersession

McKeldin and Hornbake Libraries will be closed the entire intersession from December 23 through January



18. The National Trust for Historic Preservation Collection also will be unavailable during that period.

On January 19, when the spring semester begins, all libraries will be open during their regularly scheduled hours including the newly renovated McKeldin Library.

The closings are the result of a series of eight moves that will be ongoing during the four-week period, notes H. Joanne Harrar, director of College Park Libraries.

To minimize inconvenience to users during the intersession, an extended loan period will be in effect for both McKeldin and Hornbake. Users should also take note of their upcoming book needs now.

Under the extended loan period policy, which begins October 29, the graduate due date for College Park will be extended to 91 days, or 13 weeks. On December 1, the

graduate due date will revert to 56 days, or eight weeks. On November 27, the base due date of 28 days for undergraduates, alumni, and others will be extended to 63 days, or nine weeks. On December 29, it will revert to 28 days, or four weeks.

Faculty can continue to use the faculty mail renewal process. A photocopy of the front cover, including the barcode, of each book that is to be renewed should be made. The photocopy along with a self-addressed envelope should be sent to the circulation desk of the library most frequently used by the borrower. When the request is received, circulation staff will update automated files and return the photocopy with a new due date stamped on it. The returned copy will serve as the borrower's proof of the renewal.

Additional information on the extended loan period and faculty mail renewal is available from the circulation staff in the two libraries or by calling Danuta Nitecki, associate director for public services, at 405-9251.

## Collections to Return to McKeldin During Intersession Move

Much of the moving at McKeldin Library will involve shifting most of the collections from the addition to the renovated portion of the building and to the free-standing shelving in the addition.

Special Collections and the Government Documents, which have been housed temporarily in Hornbake Library for the last two years, will be returned to McKeldin. The National Trust Collection, currently located in the Architecture Library, will be relocated in McKeldin. In addition, the Circulation and Reference Desks in McKeldin and most administrative offices will move from the addition to the renovated area of the library. The National Public Broadcasting Archives will remain in Hornbake.

Some 30,000 linear feet of materials that have been in storage at Bowie State University, the New Carrollton Public Library, and at a warehouse facility in Beltsville, will be returned to McKeldin as well.

Libraries director H. Joanne Harrar says that the entire McKeldin circulating collection will be on free-standing, stationary shelving. The compact shelving located in the McKeldin addition will be used for Special Collections that staff librarians secure for patrons, and for storage of retrospective volumes of certain lesser-used serials titles.

A special location on each floor of McKeldin will be designed for folios in the same classifications as the regular collections on those floors. Other highlights of the renovated building include restoration of the Katherine Anne Porter Room, three library instruction rooms, a public lounge, and seating for about 1,500 persons.

During the intersession period when both libraries are closed, McKeldin and Hornbake staff will be involved in the many details associated with the move.





## Physics Is Phun Begins Eleventh Year

"Good Vibrations" is the title of the next "Physics is Phun" lecture-demonstration, set for Thursday, Friday and Saturday, November 5, 6 and 7 in the Physics Building Lecture Hall. Physics professor Dick Berg, host of the program which begins its eleventh year, will use several interesting devices to demonstrate the lively physics of vibrations and waves. Doors open at 7 p.m., when visitors can make a "ouija windmill." The lecture-demonstration runs from 7:30 to 8:45 p.m. Call 5-5994.

## For More Faculty, "Active Learning" Means Cooperative Learning

This fall, instead of lectures about engineering theory, engineering freshmen are designing and manufacturing windmills for their first introduction to the discipline.

Taught by senior faculty in the College of Engineering, the students are working in teams of four to build windmills that will, by the end of term, power Christmas tree lights and other electric displays.

Last year, pilot programs of ENES100 were offered to small groups of high school students, with excellent success. This year, nine sections of 30 students each (half of the entering freshman class) are being offered; the other half will take the course in the spring.

Funded by a National Science Foundation grant to improve undergraduate engineering education, ENES100 was designed to give entering students hands-on experience in such design skills as drawing, programming and manufacturing. In the past, only seniors got to apply the theories they learned as freshmen and sophomores.

The course is also an example of a relatively new teaching method known as cooperative learning that is increasing on college campuses across the country and is helping to define College Park's commitment to active learning through its CORE curriculum.

Although no single definition of cooperative learning exists, Neil Davidson, associate professor in the Department of Curriculum & Instruc-

tion and an expert on the method, says most applications of it involve students working together in small groups to achieve a common goal.

Though it sounds like the teacher is doing less work, the preparation is extensive and sophisticated, notes Davidson.

"The faculty member still retains control over course content and management," he says, "but through highly structured group and individual tasks, students analyze, refine and confirm what they learn together and begin to take more responsibility for their own and each other's progress in mastering a subject. It's harder than you think to plan suitable lessons."

In addition to changing the role of the teacher from dispenser of information to experienced facilitator, Davidson says research shows students learn and perform just as well in cooperative learning—in many cases, better—than in the traditional lecture method. They also learn greater social and decision-making skills that will prepare them for the work place.

At College Park, many faculty members, including Maynard Mack, Jr.—the State of Maryland's 1992 Professor of the Year—are strong proponents of cooperative learning.

"Since I always learn when I teach, I think cooperative learning most accurately captures what goes on in an active learning environment," says Mack, associate professor of English. "I can't imagine teaching any other way."

Over the last two years, as part of an initiative in faculty development, the Center for Teaching Excellence (CTE) has sponsored several studies involving faculty who had never used cooperative learning. They were Mike Bellama, chemistry; Maryam Alavi, business and management; Vincent Marando, government and politics; and Richard Solomon, education.

According to Jim Greenberg, director of CTE, all of the faculty members reported cooperative learning was a success and that students not only enjoyed classes more, but also performed as well as or better than students in the same classes taught by a lecture format.

Perhaps more importantly for the teachers—and their students—they enjoyed teaching more.

"The cooperative learning experiment was a pure pleasure," says Bellama. "I felt like I was teaching for the first time in years."

Greenberg spoke about the CTE cooperative learning studies at a teacher education conference in Australia last spring and has made the method a central feature of the campus-wide workshops CTE has offered since its inception two years ago.

"Sometimes both teacher and student get locked into traditional assumptions of how each should act in the classroom," says Greenberg. "But teachers don't and can't know everything and students don't have to be passive sponges. Cooperative learning is an effective alternative."

—John Fritz



## An Open Door Led to Cooperative Learning



Neil Davidson

Neil Davidson is widely regarded as an expert in cooperative learning. But if he hadn't loitered around the open door of a psychology class at the University of Wisconsin one day in 1965, he might never have helped develop and refine the method.

"It was a class on a new theory called group dynamics," says Davidson, who was studying for his Ph.D. in mathematics and mathematics education at the time. "I was interested in all these people talking to each other, so I asked if I could join in."

Davidson was so intrigued that he wrote his dissertation about the effects of cooperative small-group discovery on the calculus class he taught as a TA.

When he arrived at the University of Maryland mathematics department in 1968, not everyone accepted

his new teaching method. Eventually, his students' results changed some minds and won the respect of colleagues, one of whom is now the university president.

"Neil is one of the best teachers I've ever seen," says William Kirwan. "His understanding of how we learn has led to a truly innovative pedagogy."

Davidson has written extensively about cooperative learning and has presented several workshops, often with Barbara Millis, assistant dean for faculty development at University College.

He is president of the International Association for the Study of Cooperation in Education and has given presentations throughout the U.S. as well as in the Netherlands, Canada, Australia, England, the Philippines and Israel.

He teaches mathematics education, teacher education, and staff development classes in the College of Education, and also works with several Maryland teachers organizations, for which he recently won a university award for outstanding service to the schools.

Davidson, who delivered several workshops at the First National Conference on Cooperative Learning in Higher Education in California earlier this month, says the method is becoming more popular in higher education.

"Cooperative learning liberates professors in their classroom by significantly expanding their repertoire," he says. "It also helps students develop tolerance and critical thinking skills by teaching them to work together."

—John Fritz



## Global Extinction Is Topic of Lecture

The Graduate School's Distinguished Lecturer Series continues November 2 when Peter Raven, director of the Missouri Botanical Garden and Engelmann Professor of Botany at Washington University, presents "Global Extinction: What Is Our Responsibility?" The lecture, which is free and open to the public, will take place at 3:30 p.m. in Room 1240 of the Zoology-Psychology Bldg. For more info., call 405-1486.

ARTS

## English Department Gets An "A" for Work in Basic Writing

No one will dispute the need for basic writing skills, but some may dispute the best way to teach those skills or the type of student needing this training. At College Park, some of these questions are being answered.

On October 8-10, approximately 350 people gathered for "Critical Issues in Basic Writing: 1992," a national conference offering a forum for those whose teaching and research focuses on basic writing for students at the college level. Organized by the Conference on Basic Writing and co-sponsored by the university and the National Council of Teachers of English, the conference addressed such critical issues in basic writing as curriculum, composition theory, language processes, and the stereotypes associated with basic writing.

Many people consider basic writing to be remedial writing. But Alisse Portnoy, a graduate student teaching basic writing at College Park, says that is not the case. "My students are as capable of good writing as any other student. They just have not had the opportunities other students have had to learn and practice good writing."

Gene Hammond, chair of the English Department, agrees. "It is simply a matter of learning a skill that they had never, or very rarely, practiced," he says.

Hammond has long been a supporter of basic writing. It was during his tenure as director of Freshman English, from 1978-1984, that Introduction to Writing 101A, the basic writing class, was introduced.

Beginning writers do need more help than other students, which is why the class sizes are smaller and why Portnoy has made some innovative changes.

First, *Sports Illustrated* serves as the textbook. She has found that because the magazine is part of the students' world, they are more comfortable with it than any other textbook, and thus are more apt to enter into discussions about its content. "Even if they don't like the magazine, they can search it for evidence and argue about it," she says. "It is one of the best written magazines published now."

Portnoy explains that a lot of the methods she uses were filtered through the syllabus developed by Jeanne Fahnestock, the newly-appointed director of Writing Programs.

"I really respect what Dr. Fahnestock is doing because she's incorporating the art of persuasion into assignments in a more structured way. She has moved from the old method of discussing issues as a prelude to writing to writing as a means of discussing issues."

Portnoy stresses rhetorical skills and teaches the three appeals of persuasion: ethos (ethics of the writer); logos (logic and fact); and pathos (appeal to the readers' emotions). Her classes also work with the "common topics," or lines of argument, that originated in classical rhetoric.

Introduction to Writing courses are designed to prepare students for academic writing. "In academic writing," says Fahnestock, "students need to find an issue to address, learn both

sides of the issue, and then persuasively present one side of an argument."

Portnoy believes that computer skills are necessary for survival in college, so another of her innovations has been to include a computer lab into her class. "I found that students were spending too much time wrestling with the computer and too little time actually writing," Portnoy says. "By teaching them computer skills, I am helping them progress toward better writing skills."

And, the computer lab's projection screen allows collaboration. Portnoy notes that research suggests that collaboration by students enhances their performance.

Portnoy also stresses practicing writing. "The more writing the students do, the more comfortable they become with what they are thinking and what they want to do," she says. "The fact that they are excited about what they have to say gives them an impetus to care how they say it, especially as we focus on rhetorical features. Once they have things to say and a means to say it, they almost teach themselves."

Portnoy hopes to design a course to serve as an intermediate course between freshman and junior writing for those basic writing students who need additional help and other Introduction to Writing students who receive a C or less. Portnoy estimates that between 35 to 50 percent of basic writing students could benefit from this additional course.

—Beth Workman

## Hercules Highlights Handel Festival

The Maryland Handel Festival returns to the university on October 29 with a Herculean effort when it presents a lecture, two conference sessions, a pre-concert panel and five concerts, including *Hercules*, on Sunday, November 1, the festival's final day.

"It's a Herculean festival," says Jesse Parker, festival general manager, who notes that the concert on Friday, October 30, at 8 p.m., titled "A Choice of Hercules," ties in with the Herculean theme by presenting two smaller works based on the Herculean myth: Bach's "Hercules auf dem Scheideweg," sung in German, and Handel's *The Choice of Hercules*.

In addition to *Hercules*, this year the festival also is featuring an unusually large number of graduate students performing solos.

"These are wonderfully talented

students that the Music Department is proud to present on stage," said Parker.

Graduate students will perform in three of the five concerts. On Friday, October 30, at 8 p.m., Karen Swan, Joy Ratliff, Philip Collister and Robert Craig sing in the concert with the thematic title, "A Choice of Hercules."

During the Young Artist Recital on Saturday, October 31, at 5 p.m., Amy Van Roekel, Martha Duersten-Pettit and Gregory Carpenter sing Handel chamber duets while Michael Monroe accompanies on piano.

And on Sunday, November 1, at 3 p.m., Philip Collister, Leneida Crawford and Molly Donnelly showcase their talents during *Hercules*.

The conference sessions are free, including the American Handel Society Lecture by John Roberts on Friday at 5 p.m. Roberts is a professor of

music and music librarian at the University of California at Berkeley. The Young Artist Recital also is free.

Subscription prices for the four concerts are based on three seating choices and range from \$30 to \$38.

For more information about tickets and events in the Maryland Handel Festival, call 405-5568.





## Equity Conference to be Held October 29

The Equity Council will sponsor Equity Conference V: "Excellence Through Diversity," on October 29 from 8:30 a.m. to 1 p.m. in the Grand Ballroom, Stamp Student Union. The keynote address will be delivered by Kathryn Mohrman, Dean of Undergraduate Studies. Workshop topics include Management of Diversity Goals, Model Diversity Programs, White Racial Identity Studies, Graduate Student Recruitment and Retention, Student Harassment and Discrimination, Accommodation of Persons with Disabilities and Free Speech in the Classroom and Workplace. Call 405-2838 for info.

## Newton's Laws of Gravity Stand the Test of Paik

Three centuries ago the English mathematician Sir Isaac Newton developed his theory of gravity—that the attraction between two masses is proportional to the square of the distance between them. Therefore,

when the distance between two objects is doubled, the gravity field becomes four times weaker. This law, the inverse square law, has been tested by scientists ever since, and has been found to be correct.

But most recently the law was tested by College Park physicists with the most sensitive instruments ever, and was found to be accurate at a scale of ten times smaller than ever before found.

The College Park researchers, led by Ho Jung Paik, professor of physics, have developed the world's most sensitive gravity measuring device for which to test Newton's

theory and, eventually, to measure from outer space the subtle differences in gravitational force at various points around the world.

The device, developed for NASA's Superconducting Gravity Gradiometer

ter Mission, is so sensitive it can measure the gravitational force from the mass of a human fist, according to Paik, who has been developing the gradiometer since 1979.

Many people think of gravity as being a force of only massive objects, namely planets. But even tiny objects like a golf ball have a gravitational force, though the force is so minute it generally is immeasurable. To carefully test Newton's theory, Paik and his colleagues have had to develop a device that can make measurements at even the smallest levels.

During a span of 33 consecutive nights, Paik's group measured the gravitational field generated by a 3,300 pound lead ball which swung from the ceiling of the Physics Building's sub-basement. The experiments were conducted at night because the daily activities of people in the building would have interfered with the accuracy of the gradiometer's data.

Another problem the researchers faced was the measurement interferences caused by a slight shaking of the Physics Building from the swinging lead ball. After two years of work on this problem Paik was able to filter out this effect on his data.

The gradiometer, which looks like three golden tubes fused together at their centers, is made up of superconducting magnets and springs that



detect tiny changes in gravitational fields near the device.

By positioning the gradiometer near the swinging ball, the scientists were able to measure whether or not the changes in gravitational force followed the inverse square law. It did.

According to Paik, the gradiometer will be fine-tuned even further, testing Newton's theory to the extreme.

NASA's gradiometer mission was originally scheduled to fly in 1998, but due to budget constraints, Paik's device will not be launched until about the year 2005.

The gradiometer and its experimental counterpart, the 3,300 pound swinging ball, were demonstrated Sept. 24 to a crowd of faculty, staff, students and reporters during an open house in the Physics Building.

—Fariss Samarrai



Ho Jung Paik

## Book Helps Children Learn to View Television Critically

A quarter of all fourth graders watch six or more hours of television every day according to a recent report by the National Assessment of Educational Progress (NAEP).

The NAEP also reports that there is a positive correlation between reduced television viewing and increased grades in school. In fact, says the NAEP, two hours of television viewing a day or less was cited as the goal for improving student grades.

In an effort to combat the negative effects of too much television, John Splaine, an associate professor in the Department of Education, Policy and Planning, has co-authored a new book on *Educating the Consumer of Television: An Interactive Approach*.

The book, which was co-authored by Splaine's wife, Pam, an administrator in the Montgomery County Public School System, is designed for elementary school students and enables educators, parents and other concerned individuals to reduce the negative effects of television by offering activities and information that

engage young people in a critical look at the way they watch television.

And in doing so, Splaine hopes youngsters will opt to read more and watch less.

"Children are going to watch television. What we hope to do is help them choose between the good and the bad," he says.

In a series of engaging, hands-on exercises, students log and analyze their viewing habits and become conscious of what they are watching and how they are spending their time.

For many young people, the book, which includes chapters on critical viewing of commercials, game shows, the news and soap operas, is an eye-opening experience, says Splaine, who co-authored a similar book for high school students in 1987.

"Hopefully, after finishing our book they will know how they can be manipulated," says Splaine.

For example, included in the book is a sample viewing log for the fourth quarter of an NFL playoff game. The total telecast time is 50 minutes. But during that time, 36 commercials are

shown in 17 minutes. And of the 33 minutes of game time, only 15 minutes are actual game play.

In another sample viewing log, an 11-minute cartoon includes 21 violent acts with four minutes of commercials shown before, during and after the cartoon.

"We're asking them to think," he says. "We're asking them to think if they would rather spend their time watching something of value like the news or whether they would rather watch Madonna or commercials that ask you to pay \$114 for a pair of sneakers. We're letting them know that they can be in control."

According to Splaine, the media itself is realizing the importance of critical viewing.

Splaine, who has been asked by news organizations to comment on television coverage of the recent presidential debates, believes that "the media has come to realize that critically thinking viewers demand substance and not just sound bites."

—Lisa Gregory



## Great American Indian Dancers Come to Campus

The Great American Indian Dancers, a dance company from Oklahoma City, will give a lecture-demonstration on Thurs., Oct. 29, at 7 p.m. in the Dorothy Madden Studio/Theater in the Dance Bldg. The event seeks to foster understanding of and discussion about the Native American way of life. Examples will be drawn from dance, music and spiritual practice. The event is free and open to the public. For more info., call Joan Frosch-Schroder at 405-3185.

# POINT OF VIEW

## Battle for UM at College Park Not Over Yet

A year ago, the University of Maryland at College Park faced the prospect that its drive for world-class status would be short-circuited by state budget cuts. Just three years after the governor and the General Assembly committed the state to funding high quality higher education, top professors were leaving, classes were canceled, library hours were cut and the SAT scores of incoming freshmen dropped for the first time in a decade.

But then the friends of College Park went to work. Students, faculty, alumni, staff, parents and many others rallied to the university's cause. For the first time in years, legislators heard from thousands of constituents who care about higher education.

Middle-class parents talked about their fear that they will be unable to pay for good college educations for their children. Business leaders explained why our knowledge-based economy can thrive only with a strong university. And residents of Prince George's and Montgomery counties pointed out the importance of the College Park campus, one of the five biggest employers in the Washington area, to this region.

One of the strongest supporters of reversing the budget cuts was the Washington-area business community. Throughout the session, business organizations reminded policymakers that if College Park sank, so would much of our suburbs' economic prospects.

Local Democratic legislators, led by longtime university champions such as Senate President Mike Miller, D-27th-Clinton, and Sen. Arthur Dorman, D-21st-Beltsville, and House Speaker Pro Tem Nancy Kopp of Montgomery, united behind the College Park campus' needs as a key budget goal.

The result? While we shrank most state agencies and cut over a billion dollars from the state budget, the College Park campus came out a winner. While the governor's FY 1993 budgets for the other 10 campuses of the university were cut by the legislature, College Park's was protected. Reversing most of last year's cuts, over \$14 million was added to its budget.

These funds allowed the university to allocate more money for student financial aid and essential teaching and research equipment, and to begin

rebuilding the campus library. The university was given permission to decide for itself whether or not to implement its planned 17.5 percent tuition surcharge for this fall's semester. (The university decided to use \$2 million of the increased state aid to hold down the planned increase.)

The legislature's budget choices should send a powerful message to outstanding professors, good students and concerned business leaders that Maryland is serious about its flagship campus.

There is danger, however, in believing that last spring's victory guarantees the campus' future. It does not.

Because the national recession continues, College Park is once again at risk. To keep the state's budget balanced, an additional \$500 million in budget cuts are needed this year. Some of them are coming from higher education.

Gov. Schaefer's budget reduction plan, announced in mid-September, acknowledges the unique needs of College Park as the university's flagship campus. It protects College Park from major cuts by setting priorities, returning \$30 million in corporate income tax money to the state's general fund and encouraging local governments to use their over \$100 million in "rainy day" and reserve funds.

I disagree with some aspects of the governor's plan. But, there is no questions that it puts the College Park campus at the top of the state's higher education priorities.

College Park's supporters must continue to press for adequate funding to achieve the world-class status the flagship campus is striving for.

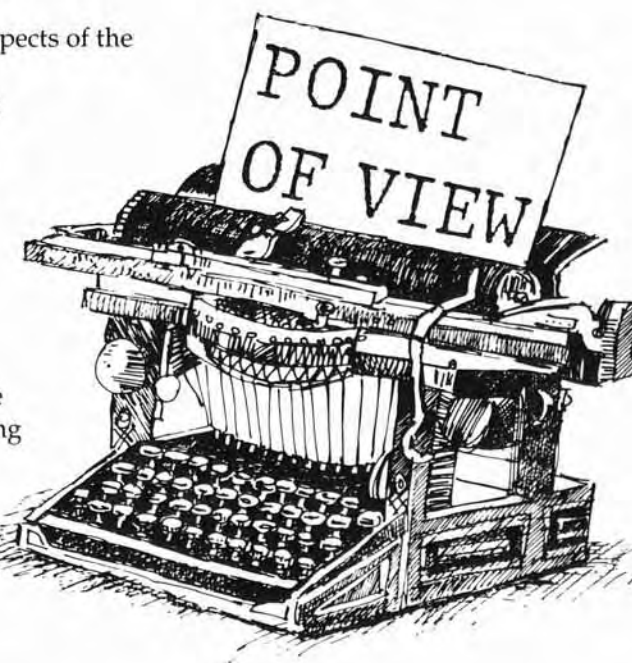
Opponents of College Park no doubt will use the current economic downturn as an excuse to reduce the campus budget. But that is the kind of shortsighted "voodoo economics"



Jim Rosapepe

that created this recession. Our standard of living in the coming decades will be determined largely by the skills of students in school today. Shortchanging education at any level, and certainly at Maryland's flagship campus, is economic suicide for our state.

*Jim Rosapepe of College Park is a state delegate representing District 21. This opinion piece appeared in the Viewpoint section of the October 16 issue of The Prince George's Journal and is reprinted with the newspaper's permission.*



**Editor's Note:** We welcome contributions to the Point of View page, though the opinions expressed do not necessarily reflect OUTLOOK's point of view. Members of the campus community are encouraged to submit opinion pieces of 1,000 words or less to: OUTLOOK, Point of View, 2nd floor, Turner Bldg.

# CALENDAR

## OCTOBER 26–NOVEMBER 4



### 26 MONDAY

**UMCP Diversity Week:** "Living in a Diverse Community: Making it Work." For the week of Oct. 26–31 there will be workshops, exhibits, and presentations; see Diversity Week Calendar in Oct. 12 OUTLOOK. Call 5–2838 for info.

**Diversity Week Keynote Speaker,** Edward Kaufman, noon–1 p.m., Hornbake Mall. Call 5–2838 for info.

**Returning Students Program,** Essay Exam Skills, 2–3 p.m., 2201 Shoemaker. Call 4–7693 for info.

**Computer Science Colloquium:** "Formal Specification of User Interface Designs," H. Rex Hartson, Va. Tech., 4 p.m., 0111 Classroom Bldg. Call 5–2661 for info.

**Entomology Colloquium:** "Action of Insecticides on Inhibitory Neurotransmission," Jeffrey Bloomquist, Va. Tech., 4 p.m., 0200 Symons. Call 5–3911 for info.

**Space Science Seminar:** "Corotating Ion Enhancements in the Solar Wind from 1978 to 1986," I.G. Richardson, NASA, 4:30 p.m., 1113 Computer and Space Sciences. Call 5–4855 for info.

**Music Concert,** Music for Milhaud, Centennial Concert, Barbara Rowan and Content Sablinsky, piano four hands, 8 p.m., Tawes Recital Hall. Call 5–5548 for info.

### 27 TUESDAY

**Ecology and Evolutionary Biology Seminar:** "Breeding System Evolution in *Mimulus*," David Carr, noon, 1208 Zoo/Phys. Call 5–6887 for info.

**Brown Bag Lunch Seminar:** "A Challenge to the University and America: Growing Pluralism at Home and Abroad," Ernest J. Wilson III, 12:30–1:30 p.m., 2136 Mill Bldg. Call 4–7703 for info.

**Panel Discussion:** "Do We Genetically Inherit the Sins of Our Fathers?" 3–5 p.m., Tortuga Room A, Stamp Student Union. Call 4–8495 for info.

**UM Field Hockey vs. Pa.,** 7 p.m., Astroturf Field. Call 4–7070 for info.

### 28 WEDNESDAY

**Counseling Center Research and Development Meeting:** "Mission Revisited: Directions for the New Career Center," Linda Gast, noon–1 p.m., 0106 Shoemaker. Call 4–7691 for info.

**Molecular and Cellular Biology Seminar:** "Function of Yeast Cyclothillin," Michael Brennan, N.I.H., 12:05 p.m., 1208 Zoo/Phys. Call 5–6991 for info.

**Center for Teaching Excellence Workshop:** "Racial/Ethnic Humor in the Classroom: Good, Bad or Indifferent?" 1–3 p.m., Maryland Room, Marie Mount Hall. Call 5–3154 for info.

**Anthropology Seminar:** "The Lost Women: The Other Cherokee Healers," Marcia Herndon, 3:30–5:30 p.m., 1127 Woods. Call 5–1423 for info.

**Center for International Business Education and Research Lecture:** "Constitution Making in Europe: Needs and Progress," Dennis Mueller, 3:30 p.m., Carriage House, Rossborough Inn. Call 5–7598 for info.

**Astronomy Colloquia:** "Cosmology After COBE: Surviving the Wreckage," David Spergel, Princeton Univ., 4 p.m., 1113 Computer and Space Sciences. Call 5–5822 for info.

### 29 THURSDAY

**Graduate Seminar:** "Caribbean Eye and I," Ken Corsbie, noon, multi-purpose room, St. Mary's Hall. Call 5–2118 for info.

**Meteorology Seminar:** "Parameterization of Boundary Layer Clouds: Is the Problem Solved?," Bruce Albrecht, Penn State, 3:30 p.m., 2114 Computer/Space Sciences. Call 5–5392 for info.

**Film Festival:** "Caribbean Eye," 7:30 p.m., multi-purpose room, St. Mary's Hall. Call 5–2118 for info.

**Maryland Handel Festival Concert:** "Music for Mrs. Cibber," Chamber Music performed by the Lieberman-Krueger-Kroll Trio, 8 p.m., Tawes Recital Hall. Admission is \$11 standard, \$6 students and seniors. Call 5–5568 for info.\*

### 30 FRIDAY

**Mental Health Lunch 'n' Learn Seminar:** "Brain Function in Mental Health," Steven Taube, doctor, 1–2 p.m., 3100E Health Center. Call 4–8106 for info.

**Agricultural and Resource Economics Seminar:** "Technology Transfer and Biotechnology: Evidence and Analysis," Douglas Parker, 2–4 p.m., 2200 Symons. Call 5–1273 for info.

**American Handel Society Lecture:** "The Song for Saint Cecilia's Day and Handel's 'Borrowing' From Other Composers," John Roberts, 5 p.m., Tawes Recital Hall. Call 5–5568 for info.

**University of Maryland Chorus:** "Bach, Handel, and Hercules," Maryland Chorus Chamber Singers perform music of Handel and Bach, conducted by Paul Traver with the Smithsonian Concerto Grosso, 8 p.m., Memorial Chapel, \$13,

\$11, or \$9 standard admission, \$6 students and seniors. Call 5–5568 for info.\*

### 31 SATURDAY

**Maryland Handel Conference, Session I:** "Handel and His Circle Before 1730," papers presented, 9 a.m., Hornbake. Call 5–5568 for info.

**UM Field Hockey vs. Temple,** 10 a.m., Astroturf Field. Call 4–7070 for info.

**Maryland Handel Conference, Session II:** "Handel and His Compositions after 1730," papers presented, 1:30 p.m., Hornbake. Call 5–5568 for info.

**UM Football vs. North Carolina,** 1:30 p.m., Byrd Stadium. Call 4–7070 for info.\*

**Maryland Handel Festival Young Artist Recital:** "Handel and Brahms—A Collaboration," Handel chamber duets as realized for piano and voices by Brahms, 5 p.m., Tawes Recital Hall. Call 5–5568 for info.

**Maryland Handel Festival Recital:** "Mrs. Cibber: Her Life and the Music She Sang," Molly Donnelly, mezzo-soprano, 8 p.m., Tawes Recital Hall, \$9 standard admission, \$6 students and seniors. Call 5–5568 for info.\*

**Halloween at the Hoff Theater:** "Psycho," 10 p.m. Call 4–HOFF for info and prices.\*

### 1 SUNDAY

**Maryland Handel Festival,** pre-concert panel on *Hercules*, 1:30 p.m., Maryland Room, Marie Mount Hall. Call 5–5568 for info.

**Men's Soccer vs. Loyola,** 2 p.m., Denton Field. Call 4–7070 for info.

**Maryland Handel Festival Oratorio, Hercules,** performed by the University of Maryland Chorus, directed by Paul Traver, 3 p.m., Memorial Chapel, \$15, \$13, or \$9 standard admission, \$6 students and seniors. Call 5–5568 for info.\*

**Concert Society at Maryland:** Zuckerman and Friends, program of Handel, Beethoven, Prokofiev, and Delibes, 7:30 p.m., Center of Adult Education Conference Center Auditorium, \$17 regular admission, \$15.30 faculty and staff, \$14.50 seniors, and \$7 students. Call 403–4240 for tickets and info.\*

### 2 MONDAY

**Distinguished Lecturer Series:** "Global Extinction: What is Our Responsibility?" Peter Raven, Missouri Botanical Garden, 3:30 p.m., 1240 Zoo/Phys. Call 5–1478 for info.

**Entomology Colloquium:** "Slug Caterpillars (Limacodidae) Do Their Locomotion and Other Behaviors," Marc Epstein, Smithsonian Inst., 4 p.m., 0200 Symons. Call 5–3911 for info.

**Computer Science Colloquium:** "Fixed Parameter Intractability: Completeness and Other Aspects," R.G. Downey, Univ.

## Congress: Beyond Gridlock

Former member of Congress Lindy Boggs, National Public Radio and ABC News political reporter Cokie Roberts, and attorney and partner with the law firm Patton, Boggs & Blow Thomas H. Boggs, will discuss "Congress: Beyond Gridlock" at the School of Public Affairs' Third Distinguished Board of Visitors Lecture. The lecture will be held Monday, November 9 from 10 to 11:30 a.m. in Tawes Recital Hall. For more information, call 5–6330.

of Wellington, 4 p.m., 0111 Classroom Bldg. Call 5–2661 for info.

**Open Rehearsal,** Guarnieri String Quartet, 7 p.m., Tawes Recital Hall. Call 5–5548 for info.

### 3 TUESDAY

**Visit Maryland Program,** special tours of campus facilities for high school students, 9 a.m.–4 p.m., Grand Ballroom, Stamp Student Union. Call 4–8385 for info.



Eugenia Zuckerman

### 4 WEDNESDAY

**Counseling Center Research and Development Meeting:** "The Tuskegee Syphilis Legacy on the Ethics of Behavioral and Social Science Research," Stephen Thomas, noon–1 p.m., 0106 Shoemaker. Call 4–7691 for info.

**Music Concert,** 20th Century Ensemble, Stravinsky's "Soldier's Tale" and Copeland's "Appalachian Spring," 8 p.m., Tawes Recital Hall. Call 5–5548 for info.

\*Admission charged for this event. All others are free.



Printed on Recycled Paper